OM SYSTEM

Specifications
OM-5

Type

Lens mount	Micro Four Thirds

Image Sensor

Type	4/3'' Live MOS sensor
Effective pixels	20.4 Megapixels

Engine

Type	TruePic IX

Filter

Dust reduction filter	Supersonic Wave Filter

Viewfinder

Type	OLED Electronic Viewfinder
Pixel number	2.360 K dots
Diopter adjustment	Equipped -4.0 - +2.0 dioptres / built-in type
Angle of view	Approx. 100%
Magnification	Max. 1.37 x with a 50mm lens set to infinity at -1 dioptre (depending on selected viewfinder style)
Eye point	27 mm at -1 dioptre from eyepiece lens
Style	3 styles selectable
Correction of colour temperature	+/- 7 levels
S-OVF	Expands the Live View dynamic range *Available in the EVF when in P, A, S and M modes. Art filter, WB and exposure are not reflected in EVF.

Live View

Displayed information	Aperture, Shutter speed, Auto bracket, AE lock, Focus mode, Shooting mode, Battery check, IS activating mode, Face / Eye detection mode, Record mode, ISO, Sequential shooting mode , White Balance, Metering mode, Exposure compensation value, AF frame display, AF confirmation mark, Shooting information, Spot metering area, Super FP, Flash status, Touch Panel Condition, Focal length, Flash mode, Histogram, Level Gauge, Highlight & Shadow, Live ND, Focus peaking, Number of storable pictures, Custom, Face detection, Flash intensity, Wi-Fi
Field of view	Approx. 100%
Magnification levels	3 / 5 / 7 / 10 / 14 x
Dynamic range expansion	When in HDR1 or HDR2
Display modes	Comparison, Grid (4 types), Grid, Histogram, Level Gauge, Magnified View, Standard information, Off

Image Stabiliser

Type	Sensor shift
Modes	Five-dimensional, vertical or horizontal activation, automatic
Effective Compensation Range	Up to 7.5 EV steps (Sync IS)

Image Stabiliser

	Up to 6.5 EV steps Based on CIPA measurement conditions
Live View stabilisation	Available
Lens IS priority	Available

Focusing System

Method	TTL phase difference detection system, contrast detection system (when non high-speed contrast AF compatible lens is used, it works as MF assist)
Focus areas	121 points * / 121 points contrast AF All target, single target (normal / small), group target (5-area / 9-area / 25-area), custom target 1-4 (AF area and its increment steps selectable) * All cross type
AF lock	Available, Locked by first position of shutter release button in single AF mode, AE/AF lock button (customised)
Modes	Manual focus, Single AF*, Continuous AF*, Preset MF**, AF* Tracking, Stacking, Starry Sky AF * incl. manual override ** Distance setting values are rough estimates and only AF lenses can be used.
AF illuminator	Equipped
Manual focus	Available, with enlarged focusing area, focus peaking and focus indicator
Face Detection extension	Eye Detect AF: Off, Left side priority, Near side priority, Right side priority
Predictive AF	Available
AF tracking	Available, Available in continuous AF mode

Focus peaking

Colour selection	White, black, red, yellow
Intensity	High / Normal / Low
Back light effect	On / Off

Focus Bracketing Mode

Number of images	3 - 999 shots
Step size	10 levels
	Compatible with: All Micro Four Thirds AF lenses

Focus Stacking Mode

Technology	8 shots are taken at different focus points and automatically composited together into a single image
	Compatible with: 7-14mm F2.8 PRO, 8-25mm F4 PRO, 12-40mm F2.8 PRO, 12-40mm F2.8 PRO II, 12-45mm F4 PRO, 12-100mm F4 IS PRO, 40-150mm F2.8 PRO 40-150mm F4.0 PRO, 100-400mm F5.0-6.3 IS, 150-400mm F4.5 TC1.25x IS PRO, 8mm F1.8 Fisheye PRO, 30mm F3.5 Macro, 60mm F2.8 Macro, 300mm F4 PRO 1.4x Teleconverter MC-14, 2x Teleconverter MC-20 Angle of view becomes slightly smaller

Exposure System

Modes	Programme automatic, Aperture priority, Shutter priority, Manual, Bulb, Time, Movie, HDR, Custom shooting
Exposure compensation	+/- 5 EV (1, 1/2, 1/3 steps) Note: Monitor and EVF displays only up to ±3 EV.
Exposure bracketing	2 / 3 / 5 frames (+/- 1/3, 2/3, 1 EV steps) 7 frames (+/- 1/3, 1/2, 2/3 EV steps)
ISO bracketing	3 frames (1/3, 1/2, 1 EV steps)
AE lock	Available
My Mode	3 settings storable
Enhancement function	Shadow Adjustment Technology Flicker Scan: Available for M, S and silent mode (can be confirmed in Live View)
In-Built LiveND	ND2, ND4, ND8, ND16 (+1, 2, 3 or 4 steps)
HDR bracketing	3 / 5 frames (+/- 2 / 3 EV steps) 7 frames (+/- 2 EV steps)

Multi-Exposure

Max. number of frames	2 frames (shooting) 3 frames (editing)
Auto gain control	Available
Frame assistance	Live View

Light Metering

Method	TTL open aperture light metering
Zones	324 zones Multi-pattern Sensing System
Detection range	-2 - 20 EV (17mm f2.8, ISO 100)
Modes	ESP light metering, Spot metering, Centre weighted metering, Highlight, Shadow

Art Filter

Modes	Pop Art, Soft Focus, Pale & Light Colour, Light Tone, Grainy Film, Pin Hole, Diorama, Cross Process, Dramatic Tone, Gentle Sepia, Key Line, Water colour, Vintage, Partial Colour*, Bleach Bypass, Instant Film
Variation / Effect	Available
Art Filter bracketing	Art Filters selectable * 18 colours selectable

Sensitivity

Auto	(customisable, default ISO LOW - 6400)
Manual	ISO LOW - 25600 in 1/3 or 1 EV ISO steps

Shutter

Shutter type	Computerised focal-plane shutter
Self timer	2 s / 12 s / Custom

Shutter Speeds

Shutter speed range	1/8000 - 60 s (in 1/3, 1/2, 1 EV steps)

Shutter Speeds

Bulb mode	Up to 30 minutes (selectable longest time in the menu, default: 8 minutes)

High res shot

Shutter type	Electronic shutter
Shutter speed	1/8000 - 60 s
Start delay	0, 1/8, 1/4, 1/2, 1, 2, 4, 8, 15. 30 s
Resolution	JPEG: 10368x7776 / 8160 x 6120 / 5760 x 4320 RAW: 10368 x 7776
	Equivalent to 80M / 50M / 25M pixel sensor (8 shots combined into a single JPEG using sensor shift)
	Available in P/A/S/M mode You need to install OM Workspace to develop on a PC.

Handheld High res shot

Shutter type	Electronic shutter
Shutter speed	1/8000 - 60 s
Resolution	JPEG: 8160 x 6120 / 5760 x 4320 RAW: 8160 x 6120
	Equivalent to 50M / 25M pixel sensor (8 shots combined into a single JPEG using sensor shift)
	Available in P/A/S/M mode
	Flash can not be used

Anti-shock mode

Shutter type	Electronic first curtain shutter
Shutter speed	1/320* - 60 s
Start delay	0, 1/8, 1/4, 1/2, 1, 2, 4, 8, 15, 30 s * For speeds over 1/320 sec., mechanical shutter will automatically be selected.

Silent mode

Shutter type	Electronic shutter
Shutter speed	1/32000 - 60 s
Start delay	0, 1/8, 1/4, 1/2, 1, 2, 4, 8, 15. 30 s

Flicker Scan

Stills	1/7634 - 1/50 s
Movies	1/250 - 1/30 s * * Frame rates greater 30fps are limited to their reciprocal value

White Balance

AUTO WB system	Advanced detection system with Live MOS sensor
Manual White balance (One-Touch)	Available
White balance bracketing	3 frames / +/- 2, 4, 6 mired steps
One-touch white balance	4 custom settings can be registered
Custom WB	1 setting can be registered at Kelvin temperature (2000K - 14000K)
Preset values	Tungsten, Flourescent 1, Sunlight, Flash, Overcast, Shade, Underwater

White Balance

Auto Flash adjustment	Off / Auto WB / Flash
Keep warm colour	On / Off

Sequence Shooting

Speed (H)	Approx. 10 fps
	Max. number of frames: RAW 149 / JPG (LF): Up to card capacity
Speed (L)	6 fps
	Max. number of frames: RAW / JPG (LF): Up to card capacity

Silent mode

Speed (H)	Approx. 30 fps
	Max. number of frames: RAW 18 / JPG (LF): 20
Speed (L)	Approx. 10 fps
	Max. number of frames: RAW 138 / JPG (LF): Up to card capacity

Pro Capture mode

Speed (H)	Approx. 30 fps
Speed (L)	Approx. 10 fps
Pre-shutter Frames	0 - 14 frames (recorded by half release prior to full release)
Frame count limiter	1 - 99 frames / Off (unlimited frames) (incl. pre-shutter frames)
Conditions	Memory card: KIOXIA KSDXU-A064G
	When using the M.Zuiko Digital ED 12-40mm F2.8 Pro
	Maximum sequential shooting speed may be affected by several factors including lens used, brightness, aperture, shutter speed, and ISO setting.
	The actual shooting speed may become slower than the set shooting speed by a few frames per second. When using ISO Bracketing, performance will be affected at ISO 2000 or above.
Interval shooting	Interval: 1 s - 24 h
	Max. number of frames: 9999
	Smoothing

Image Processing

Colour space	sRGB / AdobeRGB
Sharpness + Contrast	5 levels
Contrast	5 levels
Saturation	5 levels
Black & White filter	Yellow, Orange, Red, Green
Black & White toning	Sepia, Blue, Purple or Green in Black & White mode
Picture mode	
Gradation	4 levels (auto, high key, normal, low key)
Engine	TruePic IX

Image Processing

Art Filter bracketing	Available
Tele converter effect	2 x
Fisheye compensation	Available when M.Zuiko Digital ED 8mm Fisheye PRO is attached Angle of view adjustable in 3 levels Compensation automatically ON when using Underwater Modes, available (can be confirmed in Live View)

Flash

Type	Detachable flash with bounce capability (bundled)
Modes	AUTO, Manual, Manual (Full, 1/4, 1/16, 1/64), Red-eye reduction, Slow synchronisation with red-eye reduction, Slow synchronisation, Slow synchronisation 2nd curtain, Fill-in, Off, TTL-Auto
Flash compensation	+/- 3 EV / 1/3, 1/2, 1 EV steps
Guide number	12.9 (ISO 200)
X-sync speed	1/250 s

External Flash Control

X-sync speed	1/250 s / 1/8000 s (Super FP Mode)
Type	TTL AUTO, AUTO, MANUAL, FP TTL AUTO, FP MANUAL
Modes	Auto, Red-eye reduction, Slow synchronisation, 2nd curtain and slow synchronisation, Fill-in for exclusive flash, Manual
Intensity	+/- 3 EV (1/3, 1/2, 1 EV steps) Note: Some functions are only available if they are supported by the external flash.
Compatible external flash	FL-14, FL-20, FL-36R, FL-50R, FL-300R, FL-600R, FL-700WR, FL-900R, STF-8

Wireless Flash Control

Number of channels	4 channels
Compatible external flash	FL-36R, FL-50R, FL-300R, FL-600R, FL-700WR, FL-900R
Control method	Triggered and controlled by bundled flash
Group setting	4 groups
	Available when used together with cameras compatible with the Olympus wireless RC flash system.
Radio wireless control	Available

Monitor

Monitor type	Vari-angle LCD - Touch Panel
Monitor size	7.6 cm / 3.0'' (3:2)
Resolution	1,037 K dots
Brightness adjustment	+/- 7 levels
Colour balance	+/- 7 levels Vivid (default) / Natural
Touch Control functions	AF area enlargement, AF area selection, Art Filter, Enlargement, Enlargement playback, Frame forward/backward, Live Guide, Scene Modes, Shooting mode, Shutter release, Super Control Panel, Wi-Fi connection

Level Gauge

Detection	2-axis
Display	Rear display and viewfinder

Super Control Panel

Displayed information	Battery indicator, Record mode, Shutter speed, Aperture value, Exposure compensation indicator, ISO, AE bracketing, AF frame, Focus mode, AEL notification, Face detection, Number of storable frames, Metering mode, Exposure mode, Exposure level view, Flash compensation value, Colour space, Gradation, Colour saturation compensation value, Sharpness compensation value, Contrast compensation value, White balance, White balance compensation value, Noise reduction, Flash mode, Drive mode, Internal temperature warning, Histogram

Recording Formats

RAW	12 bit
RAW & JPEG	Applied parallel recording
JPEG	Applied
Aspect ratio	4:3 / 3:2 / 16:9 / 6:6 / 3:4

Image Size

RAW	5184 x 3888 compressed
	5184 x 3888 Fine (compression: 1/4)

Still Image Recording

EXIF	2.3
DCF	Applied
RAW	Applied

Movie Recording System

Recording format	MOV(MPEG-4AVC/H.264)
Picture mode	Flat, OM-Log400
Time code	Rec run / Free run
	Drop frame / Non-drop frame
Image Stabilisation Mode	Applied Sensor shift
	M-IS1 (Image sensor shift and electronic image stabilizer with multi motion IS)
	M-IS2 (Image sensor shift with multi motion IS)
4K Movie quality	4096 x 2160 (C4K) / 24p / IPB (approx. 237 Mbps)
	3840 x 2160 (4K) / 30p, 25p, 24p / IPB (approx. 102 Mbps)
HD Movie quality	Full HD 1920 x 1080 (16:9) / 30p, 25p, 24p / ALL-I (A-I), IPB (SF, F, N) (MOV)
	Full HD 1920 x 1080 (16:9) / 60p, 50p / IPB (SF, F, N) (MOV)
	HD 1280 x 720 (16:9) / 60p, 50p, 30p, 25p, 24p / ALL-I (A-I), IPB (SF, F, N) (MOV)
Bit rates	ALL-I: ~ 202 Mbps

Movie Recording System

	FullHD IPB (SF: ~52Mbps, F: ~30Mbps)
	HD IPB (SF: ~26Mbps, F: ~14Mbps, N: ~10Mbps)
Maximum Recording Time	Up to card capacity
Max. file size	4 GB (AVCHD)
Exposure Modes	Aperture priority, Manual, Programme automatic, Shutter priority * Frame rate may drop when using certain art filter Class 10 or higher SD card is recommended for movie shooting UHS-II or UHS-I U3 card is recommended for ALL-I shooting

Movie Specialties

Rec Indicator	Red Recording Frame during shooting available
Vertical Video	Available
High-Speed Recording	1920x1080 (MOV) / 120fps
Time lapse	4k, 1080p, 720p (AVI Motion JPEG®)
Fast motion	Available
Slow motion	Available
Art Filter	Cross Process, Diorama, Dramatic Tone, Gentle Sepia, Grainy Film, Key Line, Light Tone, Pale & Light Colour, Pin Hole, Pop Art, Soft Focus, Vintage, Partial Colour*, Bleach Bypass * 18 colours selectable Frame rate limited to 30fps or lower

HDMI Live View

Monitor mode	Video signal and info display is processed While recording, footage is simultaneously displayed on the HDMI monitor and on the camera, but the info display is shown only on either one of the two. While playing movies, footage is simultaneously displayed on the HDMI monitor (normal size) and on the camera (normal size or enlarged).
Record mode	Only video signal is processed Movie quality is set to YCbCr 4:2:2 (8 bit), frame rate follows movie setting (24p, 30p and 60p settings are not recommended.), and sound will be recorded.
Flicker Scan	Available in M mode (can be confirmed in Live View)

Sound Recording System

Speaker	Built-in mono speaker
Microphone	Built-in stereo microphones External stereo microphone can be attached
Recording format	High quality sound recording (Stereo linear PCM/24-bit, Sampling frequency 96kHz)
	Stereo PCM/16bit, 48kHz, Wave Format Base
Image footage	30 s
Microphone functions	Wind Noise Reduction, Recording Volume, Volume limiter, Audio Dubbing

Linking OM System PCM Recorders

Functions	Slate Tone / Synchronised Audio Rec-Movie Rec
	Compatible with: LS-100, LS-P4, LS-P5

View Images

Modes	Single, Index, Calendar, Zoom, Movie
Auto rotation	Available
Histogram in playback mode	Available
Shooting information	Off / On
Highlight/Shadow point warning	Available

Erase / Protect / Copy Function

Erase modes	Single, All, Selected
Image protect mode	Single frame, Selected frames, All Frames, Release protect (Single/All selected)

Image Editing

Editing functions	RAW data edit, Red-eye reduction, Sepia, Black & White, Resize, Correction of saturation, Correction of brightness, Correction of colour balance, Shadow Adjustment, Trimming, e-Portrait, Aspect ratio

Menu

Menu languages in camera	English, French, German, Spanish, Italian, Russian, Czech, Dutch, Danish, Polish, Portuguese, Swedish, Norwegian, Finnish, Croatian, Slovenian, Hungarian, Greek, Turkish, Latvian, Estonian, Lithuanian, Ukrainian, Serbian

Customisation Options

Fn Button	Equipped
My Mode	4 settings storable (Can be set to mode dial.)
Factory reset	Full / Basic
Programmable button	Equipped

Interface

Media	SD Memory Card (SDHC, SDXC, UHS-I, UHS-II compatible) Class 10 or higher SD card is recommended for movie shooting UHS-II or UHS-I U3 card is recommended for 4K, C4K, ALL-I shooting.
HDMI™	Applied Micro connector (Type D) * "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.
USB 2.0 High Speed	Applied
Wireless connectivity	Wi-Fi, Bluetooth®
Communication method	Bluetooth® Low Energy Ver.4.2 Wi-Fi is a registered trademark of the Wi-Fi Alliance. The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by OLYMPUS CORPORATION is under license.
Hot shoe	Equipped
Microphone jack	3.5 ø mm mini-jack (plug-in power on/off)

Wi-Fi Functions

Easy Connection	QR code setting

OM SYSTEM

Wi-Fi Functions

Wireless Shooting	Live View, Power off, Rec View, Self timer, Touch AF & Shutter, P/A/S/M exposure modes, Bulb mode, Zoom, Movie recording, Live Composite, Short movie

Other Features

WebCam	UVC (USB Video Class) / UAC (USB Audio Class)

Power Supply

Battery	BLS-50 Lithium-Ion Battery (included)
Sleep mode	1, 3, 5, 10 min. and off selectable.
Battery life	
Image shooting	310 shots (using Toshiba SDHC UHS-I Card Exceria with IS on, with no flashes attached , based on CIPA test standards)
Movie recording	60 min (standard JEITA conditions) 110 min (when zoom and other operational functions are not used)
USB charging	Built-in battery can be charged with USB (when camera power is off) Performance varies depending on different USB devices

Environment

Temperature	-10 - 40°C Operating temperature / -20 - 60°C storage temperature
Humidity	30 - 90% operation humidity / 10 - 90% storage humidity

Dimensions / Weight

Width	125.3 mm
Height	85.2 mm
Depth	49.7 mm
Weight	414 g (including battery and memory card) 366 g (body only)